

Claims

1. Contact piece comprising at least a portion bearing an end of the female type, destined to accommodate a corresponding element of male type in a lodging disposed axially in said portion, said lodging including a contact clip intended to ensure the electrical contact between said male element and the contact piece, wherein
- said contact clip is provided with a plurality of elastic contact fingers fastened to an annular crown fitted in the inside of said lodging, each finger comprising a free extremity directed towards the opening of said lodging.
2. Contact piece according to claim 1, wherein each of said fingers is inclined by an angle α relative to the longitudinal axis of said lodging.
3. Contact piece according to claim 2, wherein the angle α is comprised between 4° and 10° .
4. Contact piece according to claim 3, wherein the angle α is comprised between 6° and 8° .
5. Contact piece according to claim 1, wherein each finger comprises an arched portion near its free extremity, the edge of said free extremity moving away from the longitudinal axis of said housing.
6. Contact piece according to claim 1, wherein it further comprises an essentially tube-shaped bushing encircling the portion of the contact piece fitted with said contact clip, said bushing being provided with a front side

comprising a passage opening coaxial to the longitudinal axis of the lodging.

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7. Contact piece according to claim 6, wherein the bushing comprises a cylindrical rear portion fastened on a corresponding cylindrical neck of said contact piece.
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8. Contact piece according to claim 6, wherein the passage opening has a diameter which allows a male element with a diameter equal or inferior to a determined diameter to engage and prevents a male element with a diameter greater than a determined diameter to engage in said portion of the contact piece of female type.
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9. Contact piece according to claim 8, wherein the diameter of said lodging in its portion encircling said fingers is greater than the diameter circumscribed by said fingers when these are moved apart by a male element having said determined diameter has been mated in said contact piece.
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10. Contact piece according to claim 8, wherein when a male element having said determined diameter or an inferior diameter is engaged between the fingers of the contact clip, no portion of the contact piece or of the bushing limits the moving apart of said fingers.
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11. Contact piece according to claim 8, wherein when a male element having said determined diameter or an inferior diameter is engaged between the fingers of the contact clip, the moving apart of said fingers is an elastic movement.
12. Contact piece according to claim 8, wherein said passage opening and the arched portions of the elastic fingers

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constitute a guiding means of the male element during mating.

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13. Contact piece according to claim 1, wherein said contact piece and the clip are manufactured in different materials.
14. Contact piece according to claim 13, wherein the contact piece is of brass.
15. Contact piece according to claim 14, wherein the contact piece is of a brass alloy able to bear crimping.
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16. Contact piece according to claim 13, wherein the clip is of an alloy of bronze and beryllium.
17. Contact piece according to claim 1, wherein it complies with the norm MIL-C 39029.
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18. Connector fitted with at least one contact piece according to claim 1.
19. Component base fitted with at least one contact piece according to claim 1.
20. Printed circuit board fitted with at least one contact piece according to claim 1.
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